

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Shuji Jinno et al. Art Unit :
Serial No. : new application Examiner : Unknown
Filed : December 5, 2003
Title : TRICYCLIC FUSED HETEROCYCLE COMPOUNDS, PROCESS FOR
PREPARING THE SAME AND USE THEREOF

Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT


Copies of the references listed on the attached form PTO-1449 are enclosed.

Under 35 USC §120, this application relies on the earlier filing date of application serial number 09/980,581, filed on December 3, 2001. The references listed on the attached PTO Form 1449 were submitted to and/or cited by the Office in the earlier application.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 12-5-03



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| Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 13709-002003 | Application No. New application |
| | Applicant Shuji Jinno et al. | | |
| | Filing Date December 5, 2003 | Group Art Unit | |

| U.S. Patent Documents | | | | | | | |
|-----------------------|-----------|-----------------|------------------|------------------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| | AA | 4,237,160 | Dec. 2, 1980 | Hamel et al. | | | |
| | AB | 5,734,067 | Mar. 31, 1998 | Jinno et al. | | | |
| | AC | 4,104,280 | Aug. 1, 1978 | Ackrell | | | |
| | AD | 6,180,659 | Jan. 30, 2001 | Yamashita et al. | | | |
| | AE | 6,211,227 | Apr. 3, 01 | Yoshida et al. | | | |

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | | |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|---------------|----|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation | |
| | | | | | | | Yes | No |
| | AF | 0885610A1 | Dec. 23, 1998 | EPO | | | | |
| | AG | WO9625927 | Aug. 29, 1996 | WIPO | | | Abstract Only | |
| | AH | 0 011 067 | May 28, 1980 | EPO | | | | |
| | AI | 1 302 590 | Nov. 12, 1970 | DE | | | Abstract Only | |
| | AJ | 0 003 893 A1 | Sep. 5, 1979 | EPO | | | | |
| | AK | 2 016 466 A | Sep. 26, 1979 | GB | | | | |
| | AL | 3203065 A1 | Aug. 4, 1983 | DE | | | Abstract Only | |
| | AM | 1 176 265 | Jan. 30, 1982 | Canada | | | | |
| | AN | 0 805 155 A1 | Nov. 5, 1997 | EPO | | | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|---|-----------|--|
| Examiner Initial | Desig. ID | Document |
| | AO | Acton, David et al., "Tricyclic Triarylethylene Antiestrogens; Dibenzo[b,f]oxepins, Dibenzo[b,f]thiepins, Dibenzo[a,e]cyclooctenes, and Dibenzo[b,f]thiocins," J. Med. Chem., Vol. 26, No. 8, pp. 1131-1137, (1983). |
| | AP | Anjaneyulu, A.S.R. et al., "Pacharin: A New Dibenzo(2.3-6, 7)oxepin Derivative from Bauhinia Racemosa Lamk," Tetrahedron, Vol. 40, No. 21, pp. 4245-4252, (1984). |
| | AQ | Burden, Peter M. et al., "The Synthesis of 1,8-Disubstituted 10,11-Dihydrodibenzo[b,f]oxepin-10-ones. Analogues of Anaesthetic Steroids." J. Chem. Soc. Perkin Trans. 1, pp.3291-3294, (1991) |
| | AR | Carrier, R. et al., "Studies on L-640,035: a novel antagonist of contractile prostanoids in the lung," British Journal of Pharmacology, Vol. 82, No. 2, pp. 389-395, (1984). |

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| Examiner Signature | Date Considered |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

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| Information Disclosure Statement by Applicant (Use several sheets if necessary) | | Applicant Shuji Jinno et al. | |
| | | Filing Date December 5, 2003 | Group Art Unit |
| (37 CFR §1.98(b)) | | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|---|-----------|---|
| Examiner Initial | Desig. ID | Document |
| | AS | de la Fuente, M.C. et al., "A Synthetic Route to (±) Clavizepine through a Dibenzoxepine Intermediate," J. Org. Chem., Vol. 61, No. 17, pp. 5818-5822, (1996). |
| | AT | Kametani, Tetsuji et al., "Cularine and Related Compounds. XV. Demethylation of Cularine and Cularimine (Studies on the Syntheses of Heterocyclic Comopunds. CLXVII.), Journal of the Pharmaceutical Society of Japan, Vol. 87, No. 2, pp. 198-201, (1967). |
| | AU | Kushiku, Kazushi et al., "Effects of 2-(10,11-Dihydro-10-oxodibenzo [b,f]thiepin-2-yl)propionic acid (CN-100) on the cardiovascular and autonomic nervous systems," Folia Pharmacol. Japan, Vol. 94, pp. 299-307, (1989). |
| | AV | Qian, Tian-Xiu, et al., "Isosolvianolic Acid C, A Depside Possessing a Dibenzooxepin Skeleton," Phytochemistry, Vol. 31, No. 3, pp. 1068-1070, (1992). |
| | AW | Šindelář, Karel et al., "Synthesis of 2-Acetyl and 3-Acetyl Derivatives of 8-Chloro-10-(4-Methylpiperazino)-10,11-Dihydrodibenzo[b,f]-Thiepin; ² -Acyl-7-Substituted Thioxanthenes," Collection Czechoslov. Chem. Commun., Vol. 43, pp. 471-497, (1978). |
| | AX | Ueda, Ikuo et al., "Synthesis and Pharmacological Properties of 8-Chloro-10-(2-dimethylamino-ethoxy)dibenzo[b,f]thiepin and Related Compounds. Neurotropic and Psychotropic Agents, III" Chem. Pharm. Bull., Vol. 26, No. 10, pp. 3058-3070, (1978). |
| | AY | Ueda, Ikuo et al., "The Synthesis of 10-(4-Methylpiperazino)dibenzo[b,f]thiepin and Related Compounds ¹⁾ , Neurotropic and Psychotropic Agents," Chem. Pharm. Bull., Vol. 23, No. 10, pp. 2223-2231, (1975). |
| | AZ | Chemical Abstracts, 54319g, Vol. 67, No. 11, p. 5118, (1967). |
| | AAA | Chemical Abstracts, 93:150129, CS 179268, (Jun. 15, 1979). |
| | ABB | Chemical Abstracts, 115:49435, CS 268630, (Mar. 4, 1990). |
| | ACC | Chemical Abstracts, 125:86518, (Apr. 4, 1996). |
| | ADD | Chemical Abstracts, 125:275677, (Aug. 29, 1996). |

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